

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE				ATTY Docket NO 30-4397 DIV-2		SERIAL NO 10/631,320		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT CHARLES EDWARD BOWERS				
(Use several sheets if necessary)				FILING DATE July 31, 2003		GROUP 1733		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	5,119,512	6/9/92	DUNBAR, ET AL.	2	167		
	AB	5,141,780	8/25/92	HACKLER, ET AL.	427	389.9		
	AC	5,414,984	5/16/95	GROSHENS, ET AL.	57	234		
	AD	5,478,624	12/26/95	LOFQUIST	428	97		
	AE	5,567,256	10/22/96	QUEEN, ET AL.	156	72		
	AF	5,910,361	6/8/99	GUEVEL, ET AL.	428	364		
	AG	6,132,868	10/17/00	DEAN, ET AL.	428	364		
	AH	6,218,009	4/17/01	TSAI, ET AL.	428	373		
	AI							
	AJ							
	AK							
FOREIGN PATENT DOCUMENTS								
							TRANSLATION	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AL	JP 52-18835	5/24/77	JAPAN			X	
	AM							
	AN							
	AO							
	AP							
OTHER DOCUMENTS(Including Author, Title, Date, Pertinent Pages, etc.)								
	AQ							
	AR							
	AS							
EXAMINER				DATE CONSIDERED				
Examiner. Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								